

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Shafiq S. Amawi

General Information

Name:	Logan Aluminum, Inc.
Address:	P.O. Box 3000, U.S. Highway 431 North Russellville, KY 42276
County:	Logan
Date application received:	The original was submitted last October, however, Logan resubmitted the whole application on June 16, 1997.
SIC/Source description:	3353/ Aluminum rolling mill.
AFS(9-digit) Plant ID:	21-141-00038
EIS #:	105-2340-0038
Application log number:	E919
Permit number:	V-97-034

Application Type/Permit Activity

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input checked="" type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

Compliance Summary

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

Applicable Requirements list

<input checked="" type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input checked="" type="checkbox"/> NESHAPS	<input type="checkbox"/> Other

Miscellaneous

- ☐ Acid rain source
- ☒ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application

Emissions Summary

Pollutant	Actual (tpy)	Potential (tpy)
PM	253.071	12868.222
SO ₂	9.321	9.321
NOx	287.665	287.665
CO	117.293	117.293
VOC	222.657	3319.776
LEAD	0.073	6.659
HAP \geq 10 tpy (by CAS)		

Process Description

Emissions from the original plant shall not exceed 250 tons per year for any of the criteria pollutants. The original plant consists of the following emission points: EP.22 Filter box baghouse, EP.01, Skimming house baghouse, EP.02, the east melter (DC1), EP.04, the east holding furnace, EP.03, the west melter (DC2), EP.17, the west holding furnace, EP.07, Reversing mill, EP.08, Finishing mill, EP.05, Scalpers & cyclones, EP.06, Seven carbottoms, EP.12, Annealing furnaces, EP.10, Cold rolling mill (CM1), EP.14, Cold rolling mill (CM2), EP.09, Pretreatment and coating line 1, EP. 47, Propane flare, EP.15, Boilers 1,2, and 3.

Emissions from all the emission points listed on the F-97-003 permit shall not exceed 250 tons per year for any criteria pollutant. Permit F-97-003, had the following emission points: EP.22 Filter box baghouse, EP.01, Skimming house baghouse, EP.02, the east melter (DC1), EP.04, the east holding furnace, EP.03, the west melter (DC2), EP.17, the west holding furnace, EP.40, DC3 melt furnace, EP. 42, DC3 hold furnace, EP.27, Reservoir furnace, EP.26, Swarf furnace (the holding portion), EP.25, Swarf furnace/scalper chip conveyer, EP.18, Two pusher furnaces, EP.21, Cold rolling mill (CM3), EP.23, Cold mill mixer, EP.24, Cold mill storage tanks, EP.28, Water services tanks. For EP. 07, the reversing mill, and EP. 08, the finishing mill only the incremental increase in emissions from 1993 shall be counted toward the total emissions from Permit F-97-003. The incremental increases were caused by adding the third cold mill CM3.